

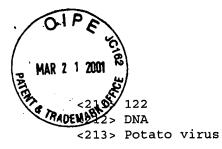
<210> 4

SEQUENCE LISTING

<110> SANTA CRUZ, SIMON
 TOTH, RACHAEL L.
 CHAPMAN, SEAN
 CARR, FIONA
 POGUE, GREGORY

<120> A NOVEL STRATEGY FOR THE EXPRESSION OF FOREIGN GENES FROM PLANT VIRUS VECTORS

<130> 008010192NPUS00 <140> TO BE ASSIGNED <141> 2001-01-09 <160> 8 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 188 <212> DNA <213> Potato virus <400> 1 gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaagcg 60 120 aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga agaaagagct 180 caccatgg 188 <210> 2 <211> 251 <212> DNA <213> Potato virus <400> 2 gtcgacggta tcgataagct tgatatcgaa ttcggatccc ggggggccct accgccgcgg 60 cggttaaccg ccgcggcggt agggccccc gggatccgaa ttcgtcgatt cggttgcagc 120 atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga 240 agaaaccatg g 251 <210> 3 <211> 187 <212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag 60 gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct 120 tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 187 tccatgg



<400> 4 gtcgacggta tcgataagct agtatttgtc agataagaga gg				-	60 120 122
<210> 5 <211> 181 <212> DNA <213> Potato virus					
<400> 5 gtcgacggta tcgataagct gttgacaact ttaaaagaag aagtacagac cggagaagta c	gaaaaagaag	gttgaagaaa	agggtgtagt	aagtaagtat	60 120 180 181
<210> 6 <211> 180 <212> DNA <213> Potato virus					
<400> 6 gtcgacggta tcgataagcc ctgacaaccc taaaagaagg agtacagacc ggcgaagtgc	aaaaagaggg	ttgaagaaaa	gggtgtagta	agtaagtata	60 120 180
<210> 7 <211> 181 <212> DNA <213> Potato virus					
<400> 7 gtcgacggta tcgataagct gttgacgacc ttaaaagaag aagtacagac cggagaagca c	gaaaaaggag	gttgaagaaa	agggagtagt	aagtaggtat	60 120 180 181
<210> 8 <211> 70 <212> DNA <213> Potato virus					
<400> 8 aattcggatc ccggggggcc ccgggatccg	ctaccgccgc	ggcggttaac	cgccgcggcg	gtagggcccc	60 70

SEQUENCE LISTING

<110> SANTA CRUZ, SIMON
 TOTH, RACHAEL L.
 CHAPMAN, SEAN
 CARR, FIONA
 POGUE, GREGORY

<120> A NOVEL STRATEGY FOR THE EXPRESSION OF
FOREIGN GENES FROM PLANT VIRUS VECTORS

<pre><130> 008010192NPUS00 <140> TO BE ASSIGNED <141> 2001-01-09 <160> 8 <170> FastSEQ for Windows Version 4.0 <210> 1</pre>		
<pre><141> 2001-01-09 <160> 8 <170> FastSEQ for Windows Version 4.0 <210> 1</pre>	<130> 008010192NPUS00	
<pre><141> 2001-01-09 <160> 8 <170> FastSEQ for Windows Version 4.0 <210> 1</pre>	<140> TO BE ASSIGNED	
<pre><160> 8 <170> FastSEQ for Windows Version 4.0 <210> 1</pre>	· · · · ·	
<pre><170> FastSEQ for Windows Version 4.0 <210> 1 <211> 188 <212> DNA <213> Potato virus <400> 1 gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagt</pre>		
<pre><210> 1 <211> 188 <212> DNA <213> Potato virus <400> 1 gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaagcg gttgacaact ttaaaagaag gaaaagaag gttgaagaaa agggtgtagt aagtaagt</pre>	<160> 8	
<pre><211> 188 <212> DNA <213> Potato virus </pre> <pre><400> 1 gtcgacggta tcgataaget tgatatcgaa ttegtegatt cggttgeage atttaaageg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagt</pre>	<170> FastSEQ for Windows Version 4.0	
<pre><212> DNA <213> Potato virus <400> 1 gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaagcg fogtgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgatgat aagtaagt</pre>	<210> 1	
<pre><400> 1 gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagata 120 aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga agaaagagct 180 caccatgg</pre>	<211> 188	
<pre><400> 1 gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagata 120 aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga agaaagagct 180 caccatgg</pre>		
<pre><400> 1 gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaagcg foo gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagt</pre>		
gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttgcagc atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagt		
gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagt	<400> 1	
gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt aagtaagt	gtcgacggta tcgataagct tgatatcgaa ttcgtcgatt cggttggagg atttaaggg	
aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga agaaagagct 1880 1888 <210 > 2 <211 > 251 <212 > DNA <213 > Potato virus <400 > 2 gtcgacggta tcgataagct tgatatcgaa ttcggatccc gggggggccct accgccgcgg agggcccccc gggatcagaa ttcgtcgatt cggttgcagc 120 atttaaagcg gttgacaact ttaaaagaag gaaaagaag gttgaagaaa agggtgtagt aggaaaccatg g cggagaagta cgccggtcct gattcgttta atttgaaaga 240 agaaaccatg g cggagaagta cgccggtcct gattcgttta atttgaaaga 251 <210 > 3 <211 > 187 <212 > DNA <213 > Potato virus <400 > 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgatcttat acttacttac tacacccttt tcttcaacct 120 tctttttcct tcttttaaag ttgcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 tccatgg 187 <<210 > 4	gttgacaact ttaaaagaag gaaaaagaag gttgaagaa agggtgtagt acttaaagcg	
<pre>caccatgg <accacatgg <ac<="" <accacatgg="" td=""><td>aagtacagac cggagaagta cgccggtcct gattcgttta atttgaagga aggaagtat</td><td></td></accacatgg></pre>	aagtacagac cggagaagta cgccggtcct gattcgttta atttgaagga aggaagtat	
<pre> </pre> <pre> <210> 2 <211> 251 <212> DNA <213> Potato virus </pre> <pre> <400> 2 gtcgacggta tcgataagct tgatatcgaa ttcggatccc gggggggccct accgccgcgg agggcccccc gggatccgaa ttcgtcgatt cggttgcagc ttaaaagaag gaaaaagaag gttgaagaa agggtgtagt aagtaagt</pre>	caccatgg	
<pre><211> 251 <212> DNA <213> Potato virus </pre> <pre><400> 2 gtcgacggta tcgataagct tgatatcgaa ttcggatccc gggggggccct accgccgcgg cggttaaccg ccgcggcggt agggccccc gggatccgaa ttcgtcgatt cggttgcagc 120 atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cggccggtcct gattcgtta atttgaaaga 240 agaaaccatg g </pre> <pre><210> 3 <211> 187 <212> DNA <213> Potato virus</pre> <pre><400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct 120 tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 tccatgg</pre> <pre><210> 4</pre>		188
<pre><212> DNA <213> Potato virus <400> 2 gtcgacggta tcgataaget tgatatcgaa ttcggatece gggggggeect accgcegegg 60 cggttaaccg ccgcgggggt agggceece gggatecgaa ttcgtcgatt cggttgcage 120 atttaaageg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagae cggagaagta cgecggteet gattegtta atttgaaaga 240 agaaaccatg g <210> 3 <211> 187 <212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataaget tgatatcgaa ttcttetete tttcaaatta aacgaatcag gaccggcgta cttetecggt ctgtacttat acttacttae tacaccettt tettcaacet 120 tctttteet tettttaaag ttgtcaaccg ctttaaatge tgcaaccgaa tcgacgaatt tccatgg</pre>	<210> 2	
<pre><213> Potato virus <400> 2 gtcgacggta tcgataagct tgatatcgaa ttcggatccc gggggggccct accgccgcgg 60 cggttaaccg ccgcggcggt agggccccc gggatccgaa ttcgtcgatt cggttgcagc 120 atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga 240 agaaaccatg g <210> 3 <211> 187 <212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataagct tgatatcgaa ttcttcttc tttcaaatta aacgaatcag gaccggcgta tcgtttaatcgaa ttcttttctc tcttcaacct tcttttcct tcttttaaag ttgcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 tccatgg</pre> <210> 4	<211> 251	
<pre><400> 2 gtcgacggta tcgataagct tgatatcgaa ttcggatccc gggggggccct accgccgcgg 60 cggttaaccg ccgcggcggt agggccccc gggatccgaa ttcgtcgatt cggttgcagc 120 atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgtta atttgaaaga 240 agaaaccatg g 251 <210> 3 <211> 187 <212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct 120 tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 tccatgg</pre>	<212> DNA	
<pre><400> 2 gtcgacggta tcgataagct tgatatcgaa ttcggatccc gggggggccct accgccgcgg 60 cggttaaccg ccgcggcggt agggccccc gggatccgaa ttcgtcgatt cggttgcagc 120 atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgtta atttgaaaga 240 agaaaccatg g 251 <210> 3 <211> 187 <212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct 120 tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 tccatgg</pre>	<213> Potato virus	
gtcgacggta tcgataagct tgatatcgaa ttcggatccc gggggggccct accgccgcgg 60 cggttaaccg ccgcggcggt agggccccc gggatccgaa ttcgtcgatt cggttgcagc 120 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga 240 agaaaccatg g 251		
atttaaageg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgtta atttgaaaga 240 agaaaccatg g 251 <210 > 3 <211 > 187 <212 > DNA <213 > Potato virus <400 > 3 gtcgacggta tcgataaget tgatatcgaa ttctttette tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacaccettt tcttcaacct tcttttcct tcttttaaag ttgcaaccg ctttaaatge tgcaaccgaa tcgacgaatt 180 tccatgg 120 240 251 <210 > 4 251 251 251 251 251 251 251 25	<400> 2	
atttaaageg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgtta atttgaaaga 240 agaaaccatg g 251 <210 > 3 <211 > 187 <212 > DNA <213 > Potato virus <400 > 3 gtcgacggta tcgataaget tgatatcgaa ttctttette tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacaccettt tcttcaacct tcttttcct tcttttaaag ttgcaaccg ctttaaatge tgcaaccgaa tcgacgaatt 180 tccatgg 120 240 251 <210 > 4 251 251 251 251 251 251 251 25	gtcgacggta tcgataagct tgatatcgaa ttcggatcgc gggggggggt agggggggt	
atttaaagcg gttgacaact ttaaaagaag gaaaaagaag gttgaagaaa agggtgtagt 180 aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga 240 agaaaccatg g 251 <210 > 3 <211 > 187 <212 > DNA <213 > Potato virus <400 > 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 tccatgg 187 <210 > 4	cqqttaaccq ccqcqqt agggccccc qqqatqqqa ttqqtqqatt	
aagtaagtat aagtacagac cggagaagta cgccggtcct gattcgttta atttgaaaga 240 agaaaccatg g 251 <210 > 3 <211 > 187 <212 > DNA <213 > Potato virus <400 > 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg 187 <210 > 4	atttaaaqcq qttgacaact ttaaaaqaaq qaaaaaqaaq qttgaaqaa axweet	
agaaaccatg g <pre> <210 > 3 <211 > 187 <212 > DNA <213 > Potato virus </pre> <pre> <400 > 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg <210 > 4 </pre>	aagtaagtat aagtacagac cggagaagta cgggggtagt	
<pre> <210 > 3 <211 > 187 <212 > DNA <213 > Potato virus </pre> <pre> <400 > 3 gtcgacggta tcgataaget tgatatcgaa ttctttette tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacaccettt tcttcaacet tctttttcct tcttttaaag ttgtcaaccg ctttaaatge tgcaaccgaa tcgacgaatt tccatgg <210 > 4 </pre>	agaaaccatg g	
<pre><211> 187 <212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataaget tgatatcgaa ttetteette ttteaaatta aacgaatcag gaccggcgta etteteeggt etgtaettat aettaettae tacaeeettt tetteaacet tetttteet tettttaaag ttgteaaceg etttaaatge tgeaacegaa tegacgaatt tecatgg </pre> <pre> 60 180 187 </pre>		251
<pre><212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg</pre>	<210> 3	
<pre><212> DNA <213> Potato virus <400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg</pre>	<211> 187	
<pre><400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tctttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg</pre> <pre><210> 4</pre>		
<pre><400> 3 gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tctttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg</pre> <pre><210> 4</pre>	<213> Potato virus	•
gtcgacggta tcgataagct tgatatcgaa ttctttcttc tttcaaatta aacgaatcag 60 gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct 120 tctttttcct tctttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt 180 tccatgg 120 4		
gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg <210> 4	<400> 3	
gaccggcgta cttctccggt ctgtacttat acttacttac tacacccttt tcttcaacct tctttttcct tcttttaaag ttgtcaaccg ctttaaatgc tgcaaccgaa tcgacgaatt tccatgg <210> 4	gtcgacqqta tcgataagct tgatatcgaa ttctttcttc tttgaaatta accust	
tettitteet tettitaaag tigteaaceg ettiaaatge tgeaacegaa tegaegaatt 180 teeatgg 187 <210> 4	qaccqqcqta cttctccqqt ctqtacttat acttacttac tacaaacta aacgaatcag	
187 <210> 4	tettttteet tettttaaag ttgtcaaccg etttaaatg tggaagga tagaagga	
<210> 4	tocator	
		187
2211 222	<210> 4	
<211> 122	<211> 122	
<212> DNA		
<213> Potato virus	<213> Potato virus	

<400> 4

Volume in drive D:\ is NEW Directory of D:\

008010192NPUS00.TXT

4 KB

3/13/01

1 file(s)
Total filesize 4 KB
0 kilobytes free